PE TITLE: Tactical Aim Missile

PE NUMBER: 0207161F

	T&E BUDGET ITE	EM JUS	STIFICA	TION SI	HEET (R	-2 Exhi	bit)		DATE Fe l	bruary 19	999
BUDGET ACTIVITY 7 - Operational Sy	stem Development		UMBER AND T 17161F T		PROJECT 4132						
COST	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost			
4132 AIM-9 Product Improv	52,604	41,007	17,399	2,639	4,890	16,610	5,898	0	240,212		
Quantity of RDT&E A	5	17	1	0	0	0	0	0	23		
energy for acquisition missile arena is esse kinematics allow ret inherent in this desi	Continued manufacturing vehicles for Development Continued providing aircr wind tunnel tests for the F Continued preparations for Provided for consulting set Total Chousands): Continue the manufacturing the manufacturing the continuent of the c	developme Test IIB (Eraft interface F-15 and F- or and initial ervices, teclung	to the maxistend the open D (ACAT II) nt, conducte DT-IIB) (Safe e informatio 18 ted DT-IIB engine	the Advance gainst an enough extent erational effect) joint-serving d Design Researction to Engineer eering, and accept and accept	ced Medium emy employ possible. A ectiveness of ice program eview II (DR s) ering and Ma management	Range Air-ting IR count nti-Tamper to existing invite with Navy left II) and flew anufacturing support	o-Air Missil ermeasures. Features will rentories at a ead. captive test Developme	le. Air super Improveme be incorpora an affordable units, starte ent (EMD) co	ciority in the ents in missil ated to prote cost while of the cost while of the cost white of the cost	short range le seeker and ct improvent continuing e	air-to-air d nents volution

RD	T&E BUDGET ITEM JUSTIFI	CATION SHEET (R-2 Exhibit)	DATE February 1999					
BUDGET ACTIVITY 7 - Operational Sy	7 - Operational System Development 0207161F Tactical Aim Missile							
(U) FY 2000 (\$ in 7 or 10 or 1	Continue the manufacturing development colleading to an Low Rate Initial Production (L Continue providing aircraft interface to the I (OT-IIA) and DT-IID (Launches); complete	RIP) award in 2nd Qtr FY00 and accept delive Engineering and Manufacturing Development (Development Test-IIC (DT-IIC) upport through implementation of OT-IIA and	(EMD) contractor in support of Operational Test-IIA					
(U) FY 2001 (\$ in 7) - (U) \$8,946 - (U) \$1,181 - (U) \$4,831 - (U) \$2,441 - (U) \$17,399	Continue the manufacturing development co Continue providing aircraft interface to the l	EMD contractor upport through implementation of DT-IID and	OT-IIB (Launches)					
U) B. <u>Budget Activity</u> This program is in b		oment, since the AIM-9X is a long-term evolut	ion to the AIM-9M, a fielded system.					
Project 4132		Page 2 of 6 Pages	Exhibit R-2 (PE 0207161F)					

RDT&E BUDGET ITE	TION	SHEET (R-2 Ext	February 1999						
BUDGET ACTIVITY 7 - Operational System Development				NUMBER AN 207161F	D TITLE Tactical	Aim Mis	ssile	•		PROJECT 4132
(U) C. Program Change Summary (\$ in Thousand	ds)							Total		
(U) Previous President's Budget/FY 1999 PB(U) Appropriated Value(U) Adjustments to Appropriated Value		FY 199 51,19 53,17	99 71	FY 1999 52,966 52,966	FY 2000 40,807		<u>7 2001</u> 16,993	Total <u>Cost</u> 212,884		
 a. Congressional/ General Reductions b. SBIR c. Omnibus or Other Above Threshold Reprograd. Below Threshold Reprogramming (U) Adjustments to Budget Years Since FY 1999 PF (U) Current Budget Submit/FY 2000 PB 		-1,9°		-362 52,604	200 41,007		406 17,399	240,212		
(U) Significant Program Changes: FY99: \$1,599 identified as a source for SBIR										
(U) D. Other Program Funding Summary (\$ in T	<u>'housands)</u>									
(U) Missile Procurement, P-1 line item Tactical	FY 1998 0	<u>FY 1999</u> 0	FY 2000 31,103	FY 2001 29,941	FY 2002 61,441	FY 2003 65,449	FY 2004 83,658	FY 2005 66,065	To <u>Compl</u> 925,852	Total <u>Cost</u> 1,263,709
AIM Missile Modification (U) SEEK EAGLE	0	0	0	2,944	5,384	1,966	0	4,330	Cont.	Cont.
Project 4132			Page 3	of 6 Pages			Fxl	nibit R-2 (PE	0207161F)	1

DATE RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) February 1999 BUDGET ACTIVITY PE NUMBER AND TITLE **PROJECT** 7 - Operational System Development 0207161F Tactical Aim Missile 4132 (U) E. Acquisition Strategy: After a full and open competition a Cost Plus Incentive Fee/Award Fee contract was awarded to HMSC to complete missile system development and prepare for production. This EMD contract includes three Fixed-Price Incentive Fee options for the first three production Lots. The production options are planned for exercise in FY00, FY01 and FY02. The EMD contract and production options provide strong incentives for the contractor to control costs, achieve reliability performance and deliver to schedule. The Low Rate Initial Production (LRIP) decision will be made by an OSD DAB. The Full Rate Production (FRP) decision will be made by the Navy Acquisition Executive with advice from the Air Force Acquisition Executive subsequent to the successful completion of the associated exit criteria in Section 9.3. A FRP Service Decision Review will be held to approve award of the third production option and release the RFP for Lots 4 through 7. FRP Lots 4 through 7 contracts will be Firm Fixed-Price (FFP) with incentives provided if the contractor meets or beats his Procurement Price Commitment Curve (PPCC), a quantity price curve provided by HMSC with the EMD proposal. Rewards or penalties are provided depending on HMSC's (now Raytheon) performance relative to the PPCC. A Service review of Raytheon's Lot 4 through 7 proposals relative to the PPCC will be held prior to award of those contracts. (U) F. Schedule Profile 1 (U) Acquisition Milestones X LRIP DAB (U) Engineering Milestones DR II TRR for TECHEVAL X PRR for LRIP X (U) Test and Evaluation Milestones Wind Tunnel Tests for F-15 & F-18 DT-IIB (Safe Separation) Start DT-IIC (Guided Launches) X X **Conduct Insensitive Munitions Tests** X OT-IIA (Guided Launches) DT-IID (Launches) X OT-IIB (Launches) X (U) Contract Milestones LRIP Award X

Project 4132

Page 4 of 6 Pages

Exhibit R-2 (PE 0207161F)

		DATE February 1999						
BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0207161F Tactical Aim Missile							
X Planned Events * Completed Events	.							

	T&E PROG	RAM ELEME	ENT/PROJ				VN (R-3)		DATE F 6	February 1999		
7 - Operational System Development					PE NUMBER AND 0207161F				ROJECT 1132			
(U) A. Project Co	ost Breakdown (S	in Thousands)										
				FY 1998	FY 199	<u>9</u> <u>F</u>	Y 2000	FY 2001				
(U) Project Cost (Categories											
a. Primary Hardware Development 35,080				31,50	5	19,635	8,946					
b. Governme	ent Engineering S	Support		2,476	83	1	2,070	602				
c. Contracto	r Engineering Su	pport		5,144	6,602	2	1,300	1,181				
	Management (PM			4,760	2,72	1	3,496	1,742				
	nent Test and Eva	luation		3,535	9,15		14,343	4,831				
f. Travel				204	192		163	97				
g. Identified as source for SBIR			0	1,599		0	0					
(U) Total				51,199	52,60	4	41,007	17,399				
(U) B. Budget Ac	quisition History	y and Planning Info	ormation (\$ in T	housands	s)							
Performing Organ					<u> </u>							
Contractor or	Contract											
Government	Method/Type	Award or	Performing	Projec	ct Total							
Performing	or Funding	Obligation Date	Activity EAC	Offic	e Prior to	Budget	Budget	Budget	Budget	Budget to	Tota	
<u>Activity</u>	<u>Vehicle</u>			EAG	<u>FY 1998</u>	FY 1998	FY 1999	FY 2000	FY 2001	Complete	Progran	
Identified as							1,599				1,59	
source for SBIR												
Product Developm	nent Organization	<u>1S</u>										
Hughes	C/CPIF	Dec 94	5,694	5,69	4 5,694	0	0	0	0	0	5,69	
Raytheon	C/CPIF	Dec 94	5,695	5,69	5 5,695	0	0	0	0	0	5,69	
Raytheon	C/CPIF	Dec 96	129,227	129,22	7 17,270	35,080	31,505	19,635	8,946	16,791	129,22	
Boeing	C/CPIF	Jan 96	20,397	20,39		5,144	6,602	1,300	1,181	1,809	20,39	
Engineering	Various		N/A	N/A	A 11,082	2,476	831	2,070	602	4,736	21,79	
Services												
Program	PO		N/A	N/A	A 1,398	4,384	2,359	2,937	1,616	1,728	14,42	
Management*												
Project 4132				Page	e 5 of 6 Pages			Fxhil	nit R-3 (PF	0207161F)		

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										ebruary 19	
BUDGET ACTIVITY 7 - Operational System Development					NUMBER AND 207161F		•	PROJECT 4132			
Contractor or Government Performing Activity	Contract Method/Type or Funding <u>Vehicle</u>	Award or Obligation <u>Date</u>	Performing Activity <u>EAC</u>	Project Office <u>EAC</u>	Total Prior to <u>FY 1998</u>	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total <u>Program</u>
Support and Mana Various Contracts	ngement Organiza FFP	ations	N/A	N/A	693	580	554	722	223	135	2,907
Test and Evaluati Field Activities	on Organizations PO	(Included in produc Oct 96	et development) N/A	N/A	1,733	3,535	9,154	14,343	4,831	4,838	38,474
Government Fur Not Applicable	nished Property	:									
Identified as source Subtotal Product I Subtotal Support Subtotal Test and	Development and Management				0 45,500 693 1,773	47,084 580	41,297 554	25,942 722	0 12,345 223 4,831	0 25,064 135 4,838	1,599 197,232 2,907 38,474
Total Project					47,966	51,199	52,604	41,007	17,399	30,037	240,212
* Note: Navy PM	A personnel are c	apital funded									
Project 4132				Page 6	of 6 Pages			Exhi	bit R-3 (PE	0207161F)	